

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	153849	(position or distance) adj (detector or sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 16:18
L2	2417111	optic\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 16:19
L3	3876424	light	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 16:19
L4	31258	1 and 2 and 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 16:19
L5	59	4 and "112".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 16:19
S1	1470	(embroidery adj frame)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 13:25
S2	323250	S1 or carriage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 13:24
S4	5860	S2 with manual	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 13:24

## EAST Search History

S5	196	(embroidery adj frame) and carriage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 13:25
S6	5860	((embroidery adj frame) or carriage) with manual	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 13:27
S7	5	S5 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 13:25
S8	24216	(frame or carriage) with manual	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 13:27
S9	248	S8 and "112".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 13:36
S10	39	(embroidery adj frame) same (wheel\$1 or bearing\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 13:38
S11	182533	(embroidery or embroidering or sewing or stitching)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 13:38
S12	630152	bearings	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 13:38

## EAST Search History

S13	2691155	frame	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 13:38
S14	4305	S11 and S12 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 13:38
S15	2106	S14 and "112".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 13:38
S16	158118	S13 same S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 13:38
S17	3028	S16 and S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 13:39
S18	1602	S17 and "112".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 13:48
S19	243810	roll\$3 with frame	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 13:49
S20	1627	"112".clas. and S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 13:49

## EAST Search History

S21	56	roll\$3 with (embroidery adj frame)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 14:22
S22	2	("5764031").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 16:18

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S79	23	("20020124781"   "20030131773"   "3609373"   "3799084"   "4565140"   "4619214"   "4658741"   "4742789"   "4757773"   "4982677"   "5020460"   "5168822"   "5170733"   "5215020"   "5271345"   "5370072"   "5664508"   "5687660"   "6263815"   "6401641"   "6450110"   "6470813").PN. OR ("6883446").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/03 13:08
S80	1526900	frame	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/03 13:08
S81	68864	embroidery or embroidering or sewing	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/03 13:08
S82	1207361	sensor or detector or imaging	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/03 13:08
S83	52059	S82 with S80	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/03 13:09
S84	358	S81 and S83	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/03 13:09
S85	2	("6883446").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 13:50
S86	23	("20020124781"   "20030131773"   "3609373"   "3799084"   "4565140"   "4619214"   "4658741"   "4742789"   "4757773"   "4982677"   "5020460"   "5168822"   "5170733"   "5215020"   "5271345"   "5370072"   "5664508"   "5687660"   "6263815"   "6401641"   "6450110"   "6470813").PN. OR ("6883446").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/03 13:50
S87	2254	quilting	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/03 13:50

## EAST Search History

S88	3795161	control	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 13:50
S89	630297	(frame or hold\$4) with (move or movable or moving)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 13:50
S92	198	S90 and S88	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 13:51
S93	316	S87 and S89	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/03 13:51
S94	411	(112/117).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:01
S95	364	(112/271).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:01
S96	197	(112/272).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:01
S97	5	("20050016428"   "5215020"   "5553562"   "5908004"   "6501460").PN. OR ("6959657"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/03 14:01
S98	342	(112/274).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:01
S99	442	(112/275).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:01

## EAST Search History

S10 0	73	(112/475.02).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:01
S10 1	314	(112/277).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:01
S10 2	105	(112/470.03).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:01
S10 3	108	(700/130).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:01
S10 4	53	(700/136).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:01
S10 5	23	("20020124781"   "20030131773"   "3609373"   "3799084"   "4565140"   "4619214"   "4658741"   "4742789"   "4757773"   "4982677"   "5020460"   "5168822"   "5170733"   "5215020"   "5271345"   "5370072"   "5664508"   "5687660"   "6263815"   "6401641"   "6450110"   "6470813").PN. OR ("6883446").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/03 14:02
S10 6	2	("6871606").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:02

## EAST Search History

S10 7	8	("4539925"   "4658741"   "4706584"   "4742789"   "4901660"   "6263815"   "6470813"   "6718893").PN. OR ("6994042").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/03 14:02
S10 8	8	("4539925"   "4658741"   "4706584"   "4742789"   "4901660"   "6263815"   "6470813"   "6718893").PN. OR ("6994042").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/03 14:02
S10 9	23	("20020124781"   "20030131773"   "3609373"   "3799084"   "4565140"   "4619214"   "4658741"   "4742789"   "4757773"   "4982677"   "5020460"   "5168822"   "5170733"   "5215020"   "5271345"   "5370072"   "5664508"   "5687660"   "6263815"   "6401641"   "6450110"   "6470813").PN. OR ("6883446").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/03 14:02
S11 0	9	("3363594"   "4526114"   "4843986"   "5170733"   "5249322").PN. OR ("5664508").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/03 14:02
S11 1	188	stitch adj regulat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:03
S11 2	199957	(speed or move\$4 or velocity or acceleration or motion) adj3 (sensor or detector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:03
S11 3	224063	S112 or accelerometer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:03
S11 4	111702	("112".clas. or "700".clas.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:03

## EAST Search History

S11 5	296682	sew\$3 or emroider\$3 or quilt\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:03
S11 6	280	S113 and S114 and S115	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:03
S11 7	6	S116 and S111	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:03
S11 8	382	(112/118).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:04
S11 9	385	(112/102.5).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:04
S12 0	327	(112/119).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:04
S12 1	176	(112/306).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:04
S12 2	241	(112/308).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:04

## EAST Search History

S12 3	370	(112/311).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:04
S12 4	448	(112/315).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:04
S12 5	126	(112/475.04).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:04
S12 6	230	(112/470.14).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:04
S12 7	463	(112/103).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:05
S12 8	1463	embroidery adj frame	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:05
S12 9	4557793	bearing or wheel or slid\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 14:05
S13 0	300	S128 and S129	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/03 14:06

## EAST Search History

S13 1	2082	koerner.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:08
S13 2	75	koerner-ralph-\$.in. or koerner-ralp.in..	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/03 14:08
S13 3	23	("20020124781"   "20030131773"   "3609373"   "3799084"   "4565140"   "4619214"   "4658741"   "4742789"   "4757773"   "4982677"   "5020460"   "5168822"   "5170733"   "5215020"   "5271345"   "5370072"   "5664508"   "5687660"   "6263815"   "6401641"   "6450110"   "6470813").PN. OR ("6883446").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/09 09:55
S13 4	9	("3363594"   "4526114"   "4843986"   "5170733"   "5249322").PN. OR ("5664508"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/09 10:09

## EAST Search History

S13 5	50	((("20070221108") or ("5685250") or ("6883446") or ("20050016428") or ("4860675") or ("4876976") or ("4953485") or ("4953483") or ("4969410") or ("5027726") or ("5640916") or ("5782193") or ("6065412") or ("6435117") or ("6631688") or ("20030200906") or ("5536553") or ("6012403") or ("6158366") or ("5873315") or ("6155189") or ("4087297") or ("4534495") or ("4616770") or ("4949415") or ("4989326") or ("5001997") or ("5391418") or ("5505150") or ("5913277") or ("6026756") or ("6105520") or ("6138965") or ("6286444") or ("6408773") or ("6520389") or ("6721982") or ("6932007") or ("6951178") or ("7073453") or ("7143705") or ("20030177583") or ("20040237864") or ("20040255835") or ("20050178307") or ("20060112866") or ("5832849") or ("6178903") or ("3805717") or ("5509365") or ("").pn.")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/09 10:18
S13 6	73	(112/475.02).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/09 10:27
S13 7	105	(112/470.03).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 10:28
S13 8	73	(112/475.02).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 10:27
S13 9	385	(112/102.5).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 10:28

## EAST Search History

S14 0	463	(112/103).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/09 10:28
S14 1	2	("6237516").PN. OR ("6568337"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/09 10:37
S14 2	1056856	detector or sensor	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/09 10:37
S14 3	158	(S139 or S140) and S142	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/09 10:37
S14 4	4	("4108093"   "4391211"   "4883008").PN. OR ("5762011"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/09 10:39